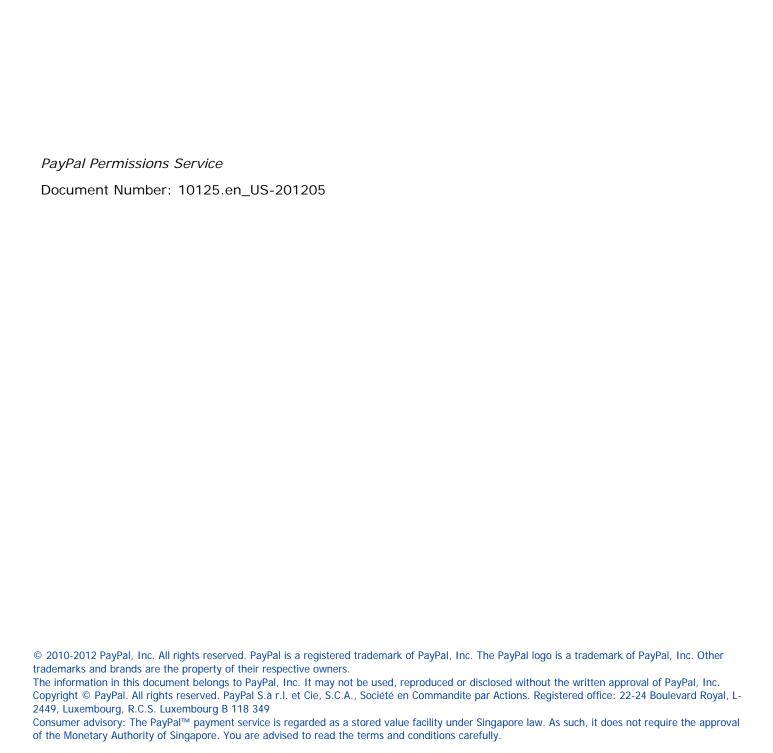
PayPal

PayPal Permissions Service

Last updated: May 2012



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Contents

What's N	lew?
	Release 89 Changes
Preface	
	Documentation Feedback
Chapter	1 About the PayPal Permissions Service
	Permissions Service Overview
	Permission Groups
	Permissions API Operations
Chapter	2 Using the Permissions Service
	Obtaining Permissions
	Generating Signatures for the Authentication Header
	Granting Permission to Access Account Holder Information
Chapter	3 RequestPermissions API Operation
	RequestPermissionsRequest Message
	RequestPermissions Request Fields
	RequestEnvelope Fields
	RequestPermissionsResponse Message
	RequestPermissions Response Fields
	ResponseEnvelope Fields
	PPFault Message
	FaultMessage Fields
	ErrorData Fields
	ResponseEnvelope Fields
	RequestPermission Errors
Chapter	4 GetAccessToken API Operation
	GetAccessTokenRequest Message

	GetAccessTokenRequest Fields	
	GetAccessToken Response Message	
	GetAccessTokenResponse Fields	
	ResponseEnvelope Fields	
	PPFault Message	
	FaultMessage Fields	
	ErrorData Fields	
	ResponseEnvelope Fields	
	GetAccessToken Errors	
Chapter	5 GetPermissions API Operation	41
	GetPermissionsRequest Message	41
	GetPermissionsRequest Fields	
	RequestEnvelope Fields	
	GetPermissionsResponse Message	42
	GetPermissionsResponse Fields	43
	ResponseEnvelope Fields	44
	PPFault Message	45
	FaultMessage Fields	
	ErrorData Fields	46
	ResponseEnvelope Fields	46
	GetPermissions Errors	47
Chapter	6 CancelPermissions API Operation	49
	CancelPermissionsRequest Message	49
	CancelPermissionsRequest Fields	49
	RequestEnvelope Fields	49
	CancelPermissionsResponse Message	50
	CancelPermissions Response Fields	50
	ResponseEnvelope Fields	50
	PPFault Message	51
	FaultMessage Fields	51
	ErrorData Fields	52
	ResponseEnvelope Fields	52
	CancelPermissions Errors	53

Chapter	7 GetBasicPersonalData API Operation
	GetBasicPersonalDataRequest Message
	GetBasicPersonalDataRequest Fields
	PersonalAttributeList Fields
	RequestEnvelope Fields
	GetBasicPersonalDataResponse Message
	GetBasicPersonalData Response Fields
	PersonalDataList Fields
	PersonalData Fields
	ResponseEnvelope Fields
	PPFault Message
	FaultMessage Fields
	ErrorData Fields
	ResponseEnvelope Fields
	GetBasicPersonalData Errors
Chapter	8 GetAdvancedPersonalData API Operation
	GetAdvancedPersonalDataRequest Message
	GetAdvancedPersonalDataRequest Fields
	PersonalAttributeList Fields
	RequestEnvelope Fields
	GetAdvancedPersonalDataResponse Message
	GetAdvancedPersonalData Response Fields
	PersonalDataListFields
	PersonalData Fields
	ResponseEnvelope Fields
	PPFault Message
	FaultMessage Fields
	ErrorData Fields
	ResponseEnvelope Fields
	GetAdvancedPersonalData Errors
Chapter	9 Permission Commands
	_grant-permission Command
Dest Det	January 170
Past Rel	leases
	Release 84.0 Features

Contents

	Addition of Two New Groups	73
	Addition of Two New APIs	73
R	Release 74.0 Features	74
	Changes to Permission Categories	74
	Changes to RequestPermissionRequest Fields for Release 74.0	75
	Changes to GetAccessTokenRespone and GetPermissionsResponse Fields for Relea 74.0	
Permissio	ons Service Revision History	77
Indev		70



What's New?

Permissions Service is intended for developers implementing solutions that require executing a PayPal API operation on behalf of an account holder. Check out what's new in the current release.

Release 89 Changes

Maintenance release.



With the Permissions Service, you can ask your customers for permission to make API calls on their behalf programmatically.

Documentation Feedback

Help us improve this guide by sending feedback to:

documentationfeedback@paypal.com

With permission, you can execute PayPal API operations for a PayPal account holder. The PayPal Permissions Service provides a way for account holders to grant permission to execute API operations on their behalf programmatically.

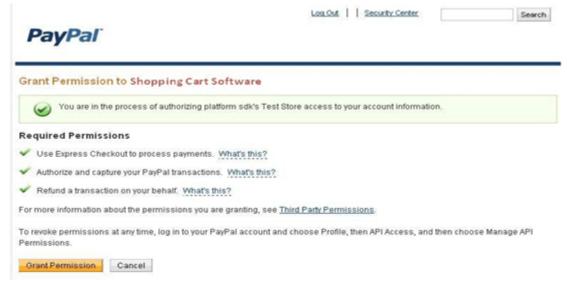
Permissions Service Overview

Granting of permissions is handled by the Permissions Service API. If you call these API operations, the account holder need not set third-party permissions in the Profile and then explicitly notify you that permission has been granted. Your website or application can incorporate this task seamlessly by calling Permissions Service API operations.

The Permissions Service API enables you to request and obtain permission from PayPal account holders, such as the merchants or customers. Consider the following examples in which the Permissions Service API can be used:

- You provide a shopping cart for merchants and need to make calls to the Express Checkout API to complete payments into the merchant's account. As a shopping cart provider, you are a third party to the transaction between PayPal and the merchant and, thus, require permission from the merchant to take actions that affect the merchant's PayPal account. The Permissions Service API enables your cart to request permission to execute Express Checkout APIs on your behalf.
- You sell an application that provides reports and analyses of your customers' PayPal transactions. Accessing this information requires customers to grant you permission to call the PayPal TransactionSearch and GetTransactionDetails API operations to access their transactions. You can use the Permissions Service API to request permission of each customer to execute TransactionSearch and GetTransactionDetails.

After requesting permission, you redirect the account holder to PayPal to grant the permission:



Once permission has been granted, you can execute the PayPal API operations associated with the permissions on the account holder's behalf. To determine what permissions you need:

- 1. Determine the specific PayPal API operations that you will call as part of your application or service.
- **2.** Identify the groups that contain these API operations.
- **3.** Request permission to execute the API operations by group.

Permission Groups

Permission groups are the bundles of PayPal APIs that you can request permission to call on behalf of a PayPal account holder. In your request, you specify one or more group IDs that cover the API operations you need to call.

Display description	Group ID includes
Use Express Checkout to process payments.	EXPRESS_CHECKOUT includes
	• SetExpressCheckout
	• GetExpressCheckout
	• DoExpressCheckout
	• GetPalDetails
Process your customers' credit or debit card payments.	DIRECT_PAYMENT includes DoDirectPayment

Display description	Group ID includes
Consolidate funds from two or more child accounts into a master account.	SETTLEMENT_CONSOLIDATION includes Settlement Consolidation; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation
	NOTE: You must have prior approval from PayPal to request this permission.
Provide reporting for consolidated funds.	SETTLEMENT_REPORTING includes Settlement Reporting; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation
	NOTE: You must have prior approval from PayPal to request this permission.
Authorize and capture your PayPal transactions.	AUTH_CAPTURE includes DoAuthorization DoCapture DoReauthorization DoVoid
Use Express Checkout to process mobile payments.	MOBILE_CHECKOUT includes • SetMobileCheckout • DoMobileCheckoutPayment • CreateMobilePayment
Obtain authorization for pre-approved payments and initiate pre-approved transactions.	BILLING_AGREEMENT includes • SetCustomerBillingAgreement • CreateBillingAgreement • BillAgreementUpdate • GetBillingAgreementCustomerDetail
	NOTE: You must have prior approval from PayPal to request this permission.
Process a payment based on a previous transaction.	REFERENCE_TRANSACTION includes DoReferenceTransaction
	NOTE: You must have prior approval from PayPal to request this permission.
Authorize transactions with Universal Air Travel Plans.	AIR_TRAVEL includes • DoUATPAuthorization • DoUATPExpressCheckoutPayment
Initiate transactions to multiple recipients in a single batch.	MASS_PAY includes MassPay
	NOTE: You must have prior approval from PayPal to request this permission.

About the PayPal Permissions Service

Permission Groups

Display description	Group ID includes
Obtain transaction specific information.	TRANSACTION_DETAILS includes GetTransactionDetails
	NOTE: You must have prior approval from PayPal to request this permission.
Search your transactions for items that match specific criteria and display the results.	TRANSACTION_SEARCH includes TransactionSearch
Create and manage recurring payments.	RECURRING_PAYMENTS includes CreateRecurringPaymentsProfile GetRecurringPaymentsProfileDetails ManageRecurringPaymentsProfileStatus UpdateRecurringPaymentsProfile BillOutstandingAmount
Obtain your PayPal account balance.	ACCOUNT_BALANCE includes GetBalance NOTE: You must have prior approval from PayPal to request this permission.
Dynamically encrypt PayPal payment buttons on your web site.	ENCRYPTED_WEBSITE_PAYMENTS includes Encrypted Website Payments NOTE: You must have prior approval from PayPal to request this permission.
Refund a transaction on your behalf.	REFUND includes RefundTransaction Refund
Issue a credit to a debit or credit card.	NON_REFERENCED_CREDIT includes DoNonReferencedCredit NOTE: You must have prior approval from PayPal to request this permission.
Create and manage PayPal payment buttons on your behalf.	BUTTON_MANAGER includes BMManageButtonStatus BMCreateButton BMUpdateButton BMSetInventory BMGetInventory BMButtonSearch
Obtain basic attributes for specified user, such as first name, last name, and payer ID.	ACCESS_BASIC_PERSONAL_DATA required for GetBasicPersonalData NOTE: You must have prior approval from PayPal to request this permission.

Display description	Group ID includes
Obtain advanced attributes for specified user, such as date of birth and phone.	ACCESS_ADVANCED_PERSONAL_DATA required for GetAdvancedPersonalData
	NOTE: You must have prior approval from PayPal to request this permission.
Accept or deny a pending transaction.	MANAGE_PENDING_TRANSACTION_STATUS includes ManagePendingTransactionStatus
Reporting for recurring payments	RECURRING_PAYMENT_REPORT; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation
Extended Pro processing	EXTENDED_PRO_PROCESSING_REPORT; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation
Exception processing	EXCEPTION_PROCESSING_REPORT; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation
Account Management Permission (MAM)	ACCOUNT_MANAGEMENT_PERMISSION; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation
Manager your invoicing through a third party.	INVOICING includes:
	• UpdateInvoice
	• CancelInvoice
	• GetInvoiceDetails
	 MarkInvoiceAsPaid
	• SearchInvoices
	• CreateInvoice
	• SendInvoice
	• CreateAndSendInvoice

Permissions API Operations

The PayPal Permissions API includes operations to request, access, and cancel permissions. It also enables you to obtain the access token needed to determine permissions that an account holder has granted you.

API Operation	Description
CancelPermissions	Use the CancelPermissions API operation to cancel access to a set of permissions.
GetAccessToken	Use the GetAccessToken API operation to obtain an access token for a set of permissions.

About the PayPal Permissions Service

Permissions API Operations

API Operation	Description
GetPermissions	Use the GetPermissons API operation to obtain the permissions associated with an access token.
RequestPermissions	Use the RequestPermissions API operation to request permissions to execute API operations on a PayPal account holder's behalf.

2

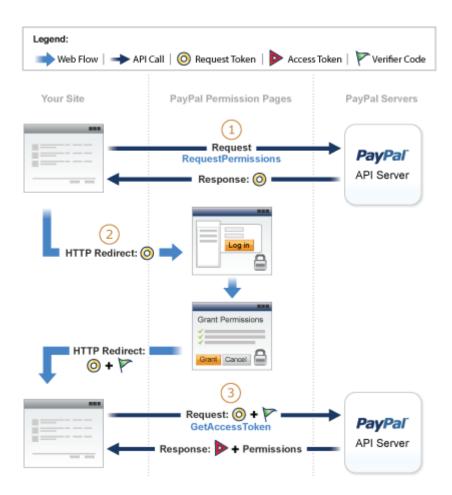
Using the Permissions Service

Use the Permissions Service API to obtain permission to execute PayPal API operations on behalf of PayPal account holders. You can use PayPal SDKs to generate authentication headers for PayPal Adaptive Payment and Adaptive Accounts APIs.

Obtaining Permissions

To obtain permissions from an account holder, you call RequestPermissions to make the request, redirect to PayPal to enable the account holder to approve the request, and call GetAccessToken to obtain the permissions and an access token. The access token enables you to create a signature for calling API operations as a third party, determine the permissions you can access, and cancel access to the permissions.

The following diagram shows the basic execution flow for obtaining permission as a third party to PayPal and an account holder:



To obtain permissions from an account holder, follow these steps:

- 1. Set up your request and call the RequestPermissions API operation.
 - Specify the return URL in the callback field.
 - Specify one or more group IDs, such as EXPRESS_CHECKOUT, in the scope field; one string per group ID.
 - Send the request to the
 https://svcs.paypal.com/Permissions/RequestPermission endpoint.

NOTE: Use https://svcs.sandbox.paypal.com/Permissions/... for the Sandbox.

```
curl -s --insecure

-H "X-PAYPAL-SECURITY-USERID: api_username"

-H "X-PAYPAL-SECURITY-PASSWORD: api_password"

-H "X-PAYPAL-SECURITY-SIGNATURE: api_signature"

-H "X-PAYPAL-REQUEST-DATA-FORMAT: NV"

-H "X-PAYPAL-RESPONSE-DATA-FORMAT: NV"

-H "X-PAYPAL-APPLICATION-ID: app_id"

https://svcs.sandbox.paypal.com/Permissions/RequestPermissions -d
"requestEnvelope.errorLanguage=en_US
&scope=EXPRESS_CHECKOUT
&callback=http://your_return_url"
```

PayPal responds with a request token that you use in following steps to obtain an access token.

NOTE: The request token from this step is different than the access token, which you use to access permissions that already have been granted.

2. Redirect the account holder's browser to PayPal and include the request token in the request_token parameter.

```
https://www.paypal.com/cgi-bin/webscr?cmd= grant-permission&request token=token
```

PayPal initiates granting permissions. When the account holder grants permissions, PayPal returns a verification code, which you use in the next step.

NOTE: The verification code expires in about 15 minutes.

- **3.** Set up your request and call the GetAccessToken API operation.
 - Specify the request token in the token field.
 - Specify the verification code in the verifier field.
 - Send the request to https://svcs.paypal.com/Permissions/GetAccessToken.

Generating Signatures for the Authentication Header

```
curl -s --insecure

-H "X-PAYPAL-SECURITY-USERID: api_username"

-H "X-PAYPAL-SECURITY-PASSWORD: api_password"

-H "X-PAYPAL-SECURITY-SIGNATURE: api_signature"

-H "X-PAYPAL-REQUEST-DATA-FORMAT: NV"

-H "X-PAYPAL-RESPONSE-DATA-FORMAT: NV"

-H "X-PAYPAL-APPLICATION-ID: app_id"

https://svcs.sandbox.paypal.com/Permissions/GetAccessToken -d
"requestEnvelope.errorLanguage=en_US
&token=token
&verifier=code"
```

PayPal responds with the scope, which is a list of the permissions granted by the account holder, and an access token and associated secret.

After Completing This Task:

You use the access token and associated secret to create an authentication header, X-PAYPAL-AUTHORIZATION. When you call PayPal API operations, the authentication header specifies whether you have permission to make the call on behalf of the account holder.

Generating Signatures for the Authentication Header

After you have an access token and associated secret, you can create an authentication header, X-PAYPAL-AUTHORIZATION, and use it in calls to PayPal APIs. You use either the API signature or certificate from the account holder's profile when you create the header.

The X-PAYPAL-AUTHORIZATION header contains

- A timestamp
- The access token from the GetAccessToken response
- A signature generated from the following information:
 - Your API username
 - Your API password
 - The access token from the GetAccessToken response
 - The token secret from the GetAccessToken response
 - The endpoint for the PayPal API operation's request, such as https://api.paypal.com/nvp
 - The HTTPS delivery method, such as POST
 - Request parameters associated with the request

NOTE: You can use a certificate instead of the API username and API signature.

PayPal provides SDKs that you can use to generate authentication header signatures for Java, PHP, and .NET. When you use the SDK, you will get two values, such as the following:

```
Signature=tLWUfZU9Np/7qgPqWF1LMIWjY1s=
Timestamp=1285744515
```

Use the values to construct the header as follows:

```
X-PAYPAL-AUTHORIZATION=timestamp=1285744515,
token=5wZptMaHXQfihLKZFscuGjeKOPqQrlfHFPqRclQlItX3vYi6,
signature=tLWUfZU9Np/7qgPqWF1LMIWjY1s=
```

Java Example

The PayPal Java SDK provides a method for creating the X-PAYPAL-AUTHORIZATION header. See the getAuthHeader method in the OauthSignature. java file of the com.paypal.sdk.util package in paypal base.jar.

```
import java.util.Iterator;
import java.util.Map;
import com.paypal.sdk.util.OAuthSignature;
import com.paypal.sdk.util.OAuthSignature.HTTPMethod;
public class TestOauthSignature {
private static String apiUserName = "..._biz_api1.gmail.com";
private static String apiPassword = "1255077037";
private static String accessToken = "2WhQDDM4...";
private static String tokenSecret = "j0YhbTgcy.K5VjpQa7Ru8oM...";
private static HTTPMethod httpMethod = OAuthSignature.HTTPMethod.POST;
private static String scriptURI = "https://api.sandbox.paypal.com/nvp";
private static Map queryParams = null;
public static void main(String[] args) {
  try{
    Map map = OAuthSignature.getAuthHeader(apiUserName, apiPassword,
          accessToken, tokenSecret, httpMethod, scriptURI, queryParams);
     // Display Signature and Timestamp to console.
     Iterator itr = map.entrySet().iterator();
     while(itr.hasNext()){
     Map.Entry entry = (Map.Entry)itr.next();
      System.out.println(entry.getKey() + ": " + entry.getValue());
  }catch (Exception e) {
   // handle exception
  }
```

Granting Permission to Access Account Holder Information

After you have created an authentication header as described above, you can call GetBasicPersonalData and GetAdvancedPersonalData to obtain basic and advanced information about the account holder.

Basic information includes the following:

- First Name
- Last Name
- Email
- Full Name
- Business Name
- Country
- PayerID

Advanced information includes the following:

- Date of birth
- Postcode
- Street1
- Street2
- City
- State
- Phone

These two API calls work like all other APIs in PayPal – if you have permission, the call will succeed; if not, the call will fail. For both APIs, if the account holder has not given consent to access the requested data, the service will return an error indicating that you do not have permission to perform the action on behalf of another user.

The form of the call is as follows:

```
curl -s --insecure ^
   -H "X-PAYPAL-AUTHORIZATION: token=...,signature=..., timeStamp=..." ^
   -H "X-PAYPAL-REQUEST-DATA-FORMAT:NV" ^
   -H "X-PAYPAL-RESPONSE-DATA-FORMAT:NV" ^
   -H "X-PAYPAL-APPLICATION-ID:APP-1JE4291016473214C" ^
   -d "attributeList.attribute(0)=http://axschema.org/contact/email^
&attributeList.attribute(1)=http://schema.openid.net/contact/fullname^
&requestEnvelope.errorLanguage=en_US"
https://svcs.paypal.com/Permissions/GetBasicPersonalData
```

responseEnvelope.timestamp=2011-10-24T01%3A37%3A26.565-07%3A00&responseEnvelope.ack=Success&responseEnvelope.correlationId=5d8bf19 13be02&responseEnvelope.build=2210301&response.personalData(0).personalData Key=http%3A%2F%2Faxschema.org%2Fcontact%2Femail&response.personalData(0).personalDataValue=jdoe%40someisp.com&response.personalData(1).personalDataKey=http%3A%2F%2Fschema.openid.net%2Fcontact%2Ffullname&response.personalData(1).personalDat

Notes:

- 1. The X-PAYPAL-AUTHORIZATION header was generated with URL "https://svcs.paypal.com/Permissions/GetBasicPersonalData".
- **2.** ACCESS_BASIC_PERSONAL_DATA and ACCESS_ADVANCED_PERSONAL_DATA access permissions have been previously granted to the API caller.
- **3.** This example illustrates use of the GetBasicPersonalData API. A request to GetAdvancedPersonalData would be the same except for the URI, and the response fields would differ.
- **4.** The URL used in curl and the URL used to generate X-PAYPAL-AUTHORIZATION must be identical.

Using the Permissions Service



Granting Permission to Access Account Holder Information

Use the RequestPermissions API operation to request permissions to execute API operations on a PayPal account holder's behalf.

RequestPermissionsRequest Message



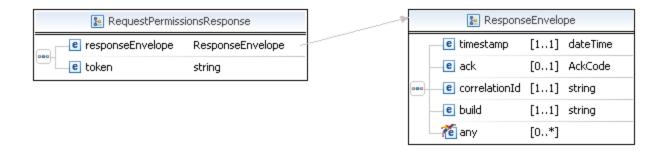
RequestPermissions Request Fields

Field	Description
scope	xs:string
	(Required) At least 1 of the following permission categories:
	• EXPRESS_CHECKOUT - Express Checkout
	DIRECT_PAYMENT - Direct payment by debit or credit card
	• SETTLEMENT_CONSOLIDATION - Settlement consolidation
	• SETTLEMENT_REPORTING - Settlement reporting
	AUTH_CAPTURE - Payment authorization and capture
	MOBILE_CHECKOUT - Mobile checkout
	• BILLING_AGREEMENT - Billing agreements
	• REFERENCE_TRANSACTION - Reference transactions
	 AIR_TRAVEL - Express Checkout for UTAP
	MASS_PAY - Mass pay
	 TRANSACTION_DETAILS - Transaction details
	• TRANSACTION_SEARCH - Transaction search
	 RECURRING_PAYMENTS - Recurring payments
	 ACCOUNT_BALANCE - Account balance
	 ENCRYPTED_WEBSITE_PAYMENTS - Encrypted website payments
	REFUND - Refunds
	 NON_REFERENCED_CREDIT - Non-referenced credit
	BUTTON_MANAGER - Button Manager
	 MANAGE_PENDING_TRANSACTION_STATUS includes
	ManagePendingTransactionStatus
	 RECURRING_PAYMENT_REPORT - Reporting for recurring payments
	• EXTENDED_PRO_PROCESSING_REPORT - Extended Pro processing
	 EXCEPTION_PROCESSING_REPORT - Exception processing
	 ACCOUNT_MANAGEMENT_PERMISSION - Account Management
	Permission (MAM)
	 ACCESS_BASIC_PERSONAL_DATA - User attributes
	 ACCESS_ADVANCED_PERSONAL_DATA - User attributes
	INVOICING - Invoicing
callback	xs:string
	(Required) Your callback function that specifies actions to take after the
	account holder grants or denies the request.
requestEnvelope	common:requestEnvelope
	(Required) Information common to each API operation, such as the language
	in which an error message is returned.

RequestEnvelope Fields

Field	Description
detailLevel	common:DetailLevelCode
	(<i>Optional</i>) Level of detail required by the client application for components. It is one of the following values:
	• ReturnAll – This value provides the maximum level of detail (default).
errorLanguage	xs:string
	(Required) RFC 3066 language in which error messages are returned; by default it is en_US, which is the only language currently supported.

RequestPermissionsResponse Message



RequestPermissions Response Fields

Field	Description
token	xs:string (Required) A token from PayPal that enables the request to obtain permissions.
responseEnvelope	common:ResponseEnvelope Common response information, including a timestamp and the response acknowledgement status.

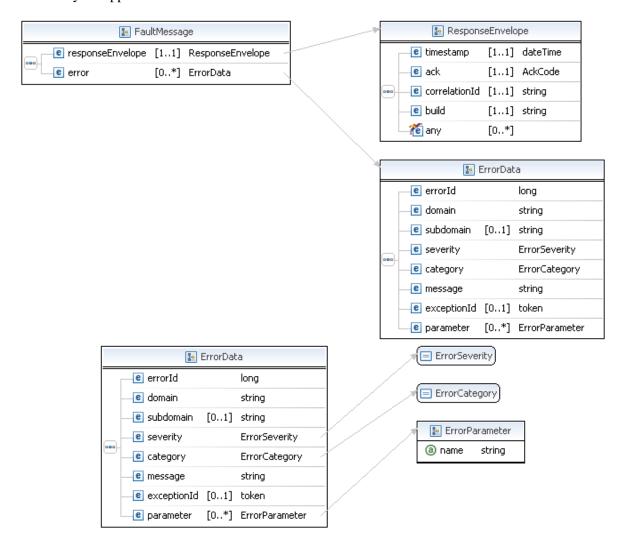
RequestPermissionsResponse Message

ResponseEnvelope Fields

Field	Description	
ack	common: AckCode Acknowledgement code. It is one of the following values: Success – The operation completed successfully. Failure – The operation failed. Warning – Warning. SuccessWithWarning – The operation completed successfully;	
build	however, there is a warning message. • FailureWithWarning – The operation failed with a warning message. • PailureWithWarning – The operation failed with a warning message.	
correlationId	Build number; it is used only by Developer Technical Support. Correlation ID; it is used only by Developer Technical Support. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	
timestamp	Date on which the response was sent. The time is currently not supported. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	

PPFault Message

The PPFaultMessage returns ErrorData and the ResponseEnvelope information to your application if an error occurs.



FaultMessage Fields

Field	Description
error	common:ErrorData Detailed error information.
responseEnvelope	common: Response Envelope Common response information, including a timestamp and the response acknowledgement status.

ErrorData Fields

Field	Description	
category	common:ErrorCategory	
	The location where the error occurred.	
	Possible values are:	
	 System – The system encountered errors; try again 	
	 Application – The application encountered errors; try again 	
	 Request – The request was incorrect 	
domain	The domain to which this service belongs.	
errorId	A number that uniquely identifies a particular error.	
exceptionID	This field is not used.	
message	A description of the error.	
parameter	common:ErrorParameter	
	Represents contextual information about the error.	
severity	common:ErrorSeverity	
	The severity of the error encountered.	
	Possible values are:	
	 Error – Processing of the request was interrupted 	
	 Warning – Processing of the request was completed 	
subdomain	This field is not used.	

ResponseEnvelope Fields

Field	Description	
ack	common:AckCode	
	Acknowledgement code. It is one of the following values:	
	 Success – The operation completed successfully. 	
	 Failure – The operation failed. 	
	• Warning - Warning.	
	 SuccessWithWarning – The operation completed successfully; 	
	however, there is a warning message.	
	• FailureWithWarning - The operation failed with a warning message.	
build	Build number; it is used only by Developer Technical Support.	
correlationId	Correlation ID; it is used only by Developer Technical Support.	
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	

Field	Description	
timestamp	Date on which the response was sent. The time is currently not supported.	
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	

RequestPermission Errors

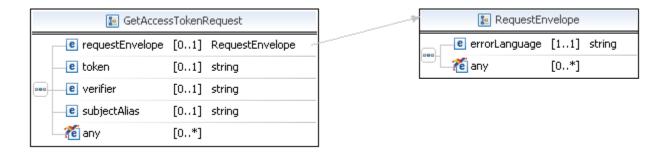
Code	Message	Additional Information
520002	Internal error	
550001	User is not allowed to perform this action	
560022	Invalid API Caller Account	
580022	Transaction refused because of an invalid argument. See additional error messages for details.	
580028	Invalid Redirect URL	

RequestPermission Errors

GetAccessToken API Operation

Use the GetAccessToken API operation to obtain an access token for a set of permissions.

GetAccessTokenRequest Message



GetAccessTokenRequest Fields

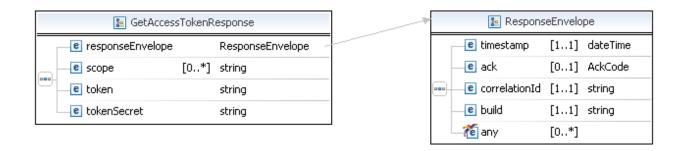
Field	Description	
token	xs:string	
	(Required) The request token from the response to RequestPermissions.	
verifier	xs:string	
	(Required) The verification code returned in the redirect from PayPal to the return URL.	
subjectAlias	xs:string	
	Do not use.	
requestEnvelope	common:requestEnvelope (Required) Information common to each API operation, such as the language in which an error message is returned.	

GetAccessToken Response Message

RequestEnvelope Fields

Field	Description	
detailLevel	common: DetailLevelCode (Optional) Level of detail required by the client application for components. It is one of the following values: • ReturnAll – This value provides the maximum level of detail (default).	
errorLanguage	xs:string (Required) RFC 3066 language in which error messages are returned; by default it is en_US, which is the only language currently supported.	

GetAccessToken Response Message



GetAccessTokenResponse Fields

Field	Description	
scope	xs:string	
	The group IDs of the permission categories associated with the access token:	
	• EXPRESS_CHECKOUT - Express Checkout	
	 DIRECT_PAYMENT - Direct payment by debit or credit card 	
	 SETTLEMENT_CONSOLIDATION - Settlement consolidation 	
	 SETTLEMENT_REPORTING - Settlement reporting 	
	 AUTH_CAPTURE - Payment authorization and capture 	
	 MOBILE_CHECKOUT - Mobile checkout 	
	 BILLING_AGREEMENT - Billing agreements 	
	 REFERENCE_TRANSACTION - Reference transactions 	
	 AIR_TRAVEL - Express Checkout for UTAP 	
	 MASS_PAY - Mass pay 	
	 TRANSACTION_DETAILS - Transaction details 	
	 TRANSACTION_SEARCH - Transaction search 	
	 RECURRING_PAYMENTS - Recurring payments 	
	 ACCOUNT_BALANCE - Account balance 	
	 ENCRYPTED_WEBSITE_PAYMENTS - Encrypted website payments 	
	REFUND - Refunds	
	 NON_REFERENCED_CREDIT - Non-referenced credit 	
	BUTTON_MANAGER - Button Manager	
	 MANAGE_PENDING_TRANSACTION_STATUS includes 	
	ManagePendingTransactionStatus	
	 RECURRING_PAYMENT_REPORT - Reporting for recurring payments 	
	 EXTENDED_PRO_PROCESSING_REPORT - Extended Pro processing 	
	 EXCEPTION_PROCESSING_REPORT - Exception processing 	
	• ACCOUNT_MANAGEMENT_PERMISSION - Account Management	
	Permission (MAM)	
	 ACCESS_BASIC_PERSONAL_DATA - User attributes 	
	 ACCESS_ADVANCED_PERSONAL_DATA - User attributes 	
	INVOICING - Invoicing	
token	xs:string	
	The access token that identifies a set of permissions.	
tokenSecret	xs:string	
	The secret associated with the access token.	
responseEnvelope	common:ResponseEnvelope	
	Common response information, including a timestamp and the response acknowledgement status.	

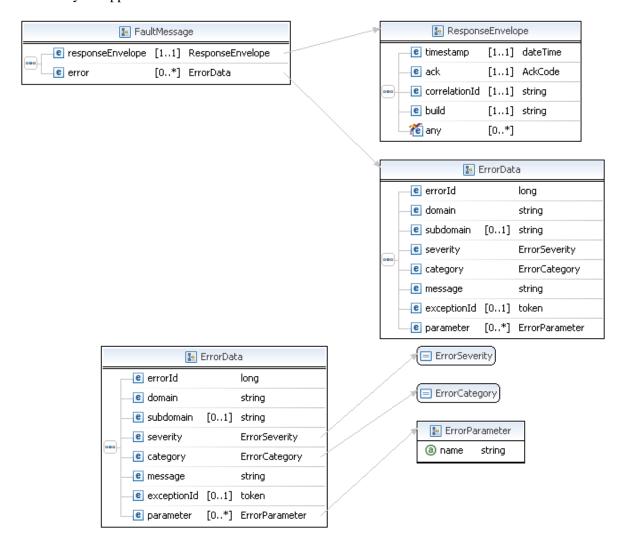
GetAccessToken Response Message

ResponseEnvelope Fields

Field	Description	
ack	 common: AckCode Acknowledgement code. It is one of the following values: Success - The operation completed successfully. Failure - The operation failed. Warning - Warning. SuccessWithWarning - The operation completed successfully; however, there is a warning message. FailureWithWarning - The operation failed with a warning message. 	
build	Build number; it is used only by Developer Technical Support.	
correlationId	Correlation ID; it is used only by Developer Technical Support. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	
timestamp	Date on which the response was sent. The time is currently not supported. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	

PPFault Message

The PPFaultMessage returns ErrorData and the ResponseEnvelope information to your application if an error occurs.



FaultMessage Fields

Field	Description
error	common:ErrorData Detailed error information.
responseEnvelope	common: Response Envelope Common response information, including a timestamp and the response acknowledgement status.

ErrorData Fields

Field	Description
category	common:ErrorCategory
	The location where the error occurred.
	Possible values are:
	 System – The system encountered errors; try again
	 Application – The application encountered errors; try again
	 Request – The request was incorrect
domain	The domain to which this service belongs.
errorId	A number that uniquely identifies a particular error.
exceptionID	This field is not used.
message	A description of the error.
parameter	common:ErrorParameter
	Represents contextual information about the error.
severity	common:ErrorSeverity
	The severity of the error encountered.
	Possible values are:
	 Error – Processing of the request was interrupted
	 Warning – Processing of the request was completed
subdomain	This field is not used.

Field	Description
ack	common:AckCode
	Acknowledgement code. It is one of the following values:
	 Success – The operation completed successfully.
	• Failure – The operation failed.
	• Warning - Warning.
	 SuccessWithWarning – The operation completed successfully;
	however, there is a warning message.
	• FailureWithWarning — The operation failed with a warning message.
build	Build number; it is used only by Developer Technical Support.
correlationId	Correlation ID; it is used only by Developer Technical Support.
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.

Field	Description
timestamp	Date on which the response was sent. The time is currently not supported.
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.

GetAccessToken Errors

Code	Code Message Additional Information	
579058	Request token is Expired	
580022	Invalid Request token or Verifier Code	

GetAccessToken Errors

GetPermissions API Operation

Use the GetPermissions API operation to obtain the permissions associated with an access token.

GetPermissionsRequest Message



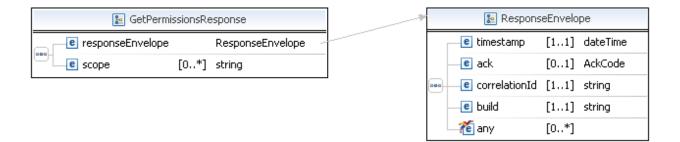
GetPermissionsRequest Fields

Field	Description
token	xs:string (Required) The access token that identifies a set of permissions.
requestEnvelope	common:requestEnvelope (Required) Information common to each API operation, such as the language in which an error message is returned.

RequestEnvelope Fields

Field	Description
detailLevel	common: DetailLevelCode (Optional) Level of detail required by the client application for components. It
	is one of the following values: • ReturnAll – This value provides the maximum level of detail (default).
errorLanguage	xs:string
	(Required) RFC 3066 language in which error messages are returned; by default it is en_US, which is the only language currently supported.

GetPermissionsResponse Message



GetPermissionsResponse Fields

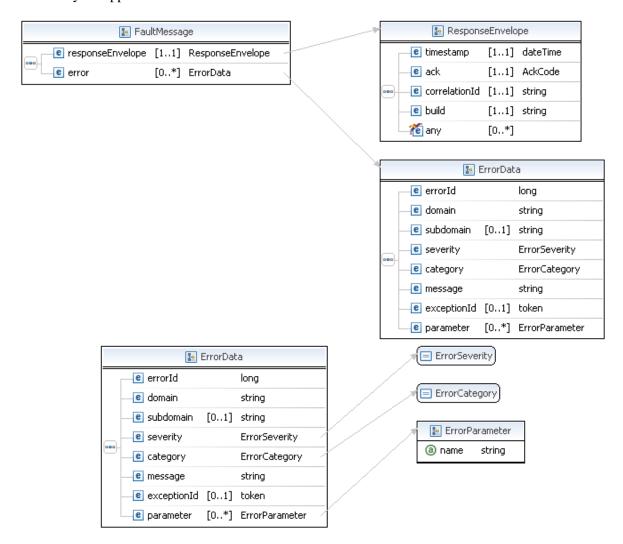
Field	Description
scope	xs:string
	Any number of permission categories from the following list:
	• EXPRESS_CHECKOUT - Express Checkout
	 DIRECT_PAYMENT - Direct payment by debit or credit card
	 SETTLEMENT_CONSOLIDATION - Settlement consolidation
	 SETTLEMENT_REPORTING - Settlement reporting
	 AUTH_CAPTURE - Payment authorization and capture
	MOBILE_CHECKOUT - Mobile checkout
	 BILLING_AGREEMENT - Billing agreements
	 REFERENCE_TRANSACTION - Reference transactions
	 AIR_TRAVEL - Express Checkout for UTAP
	MASS_PAY - Mass pay
	 TRANSACTION_DETAILS - Transaction details
	 TRANSACTION_SEARCH - Transaction search
	 RECURRING_PAYMENTS - Recurring payments
	 ACCOUNT_BALANCE - Account balance
	 ENCRYPTED_WEBSITE_PAYMENTS - Encrypted website payments
	REFUND - Refunds
	 NON_REFERENCED_CREDIT - Non-referenced credit
	BUTTON_MANAGER - Button Manager
	 MANAGE_PENDING_TRANSACTION_STATUS includes
	ManagePendingTransactionStatus
	 RECURRING_PAYMENT_REPORT - Reporting for recurring payments
	• EXTENDED_PRO_PROCESSING_REPORT - Extended Pro processing
	 EXCEPTION_PROCESSING_REPORT - Exception processing
	 ACCOUNT_MANAGEMENT_PERMISSION - Account Management
	Permission (MAM)
	 ACCESS_BASIC_PERSONAL_DATA - User attributes
	 ACCESS_ADVANCED_PERSONAL_DATA - User attributes
	INVOICING - Invoicing
responseEnvelope	common:ResponseEnvelope
	Common response information, including a timestamp and the response
	acknowledgement status.

GetPermissionsResponse Message

Field	Description
ack	common:AckCode
	Acknowledgement code. It is one of the following values:
	Success – The operation completed successfully.
	• Failure – The operation failed.
	Warning - Warning.
	 SuccessWithWarning – The operation completed successfully;
	however, there is a warning message.
	• FailureWithWarning – The operation failed with a warning message.
build	Build number; it is used only by Developer Technical Support.
correlationId	Correlation ID; it is used only by Developer Technical Support.
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.
timestamp	Date on which the response was sent. The time is currently not supported.
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.

PPFault Message

The PPFaultMessage returns ErrorData and the ResponseEnvelope information to your application if an error occurs.



FaultMessage Fields

Field	Description
error	common:ErrorData Detailed error information.
responseEnvelope	common: Response Envelope Common response information, including a timestamp and the response acknowledgement status.

ErrorData Fields

Field	Description
category	common:ErrorCategory
	The location where the error occurred.
	Possible values are:
	 System – The system encountered errors; try again
	 Application – The application encountered errors; try again
	 Request – The request was incorrect
domain	The domain to which this service belongs.
errorId	A number that uniquely identifies a particular error.
exceptionID	This field is not used.
message	A description of the error.
parameter	common:ErrorParameter
	Represents contextual information about the error.
severity	common:ErrorSeverity
	The severity of the error encountered.
	Possible values are:
	 Error – Processing of the request was interrupted
	 Warning – Processing of the request was completed
subdomain	This field is not used.

Field	Description
ack	common:AckCode
	Acknowledgement code. It is one of the following values:
	 Success – The operation completed successfully.
	• Failure – The operation failed.
	• Warning - Warning.
	 SuccessWithWarning – The operation completed successfully;
	however, there is a warning message.
	• FailureWithWarning — The operation failed with a warning message.
build	Build number; it is used only by Developer Technical Support.
correlationId	Correlation ID; it is used only by Developer Technical Support.
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.

Field	Description
timestamp	Date on which the response was sent. The time is currently not supported.
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.

GetPermissions Errors

Code	Message	Additional Information
580022	Invalid Access Token	

GetPermissions Errors

Use the CancelPermissions API operation to cancel access to a set of permissions.

CancelPermissionsRequest Message



CancelPermissionsRequest Fields

Field	Description
token	xs:string (Required) The access token that identifies a set of permissions to cancel.
requestEnvelope	common:requestEnvelope (Required) Information common to each API operation, such as the language in which an error message is returned.

RequestEnvelope Fields

Field	Description
detailLevel common: DetailLevelCode (Optional) Level of detail required by the client application for co is one of the following values: • ReturnAll – This value provides the maximum level of deta	
errorLanguage	xs:string (Required) RFC 3066 language in which error messages are returned; by default it is en_US, which is the only language currently supported.

CancelPermissionsResponse Message



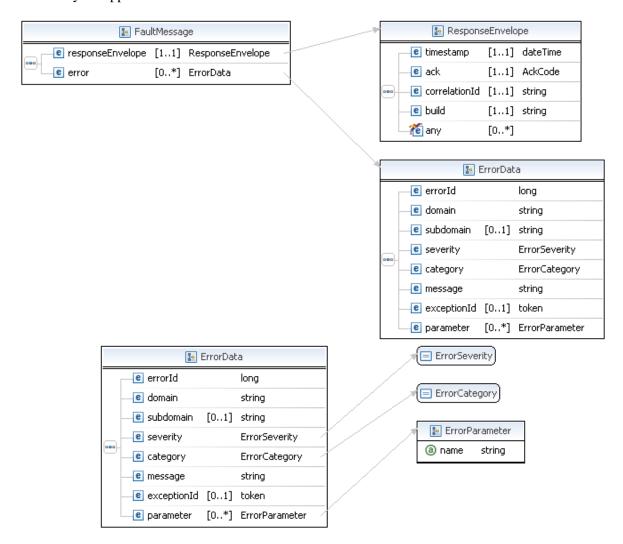
CancelPermissions Response Fields

Field	Description
responseEnvelope	common: Response Envelope Common response information, including a timestamp and the response acknowledgement status.

Field	Description	
ack	common: AckCode Acknowledgement code. It is one of the following values: • Success – The operation completed successfully. • Failure – The operation failed. • Warning – Warning. • SuccessWithWarning – The operation completed successfully; however, there is a warning message. • FailureWithWarning – The operation failed with a warning message.	
build	Build number; it is used only by Developer Technical Support.	
correlationId	Correlation ID; it is used only by Developer Technical Support. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	
timestamp	Date on which the response was sent. The time is currently not supported. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	

PPFault Message

The PPFaultMessage returns ErrorData and the ResponseEnvelope information to your application if an error occurs.



FaultMessage Fields

Field	Description
error	common:ErrorData Detailed error information.
responseEnvelope	common:ResponseEnvelope Common response information, including a timestamp and the response acknowledgement status.

ErrorData Fields

Field	Description
category	common:ErrorCategory
	The location where the error occurred.
	Possible values are:
	 System – The system encountered errors; try again
	 Application – The application encountered errors; try again
	 Request – The request was incorrect
domain	The domain to which this service belongs.
errorId	A number that uniquely identifies a particular error.
exceptionID	This field is not used.
message	A description of the error.
parameter	common:ErrorParameter
	Represents contextual information about the error.
severity	common:ErrorSeverity
	The severity of the error encountered.
	Possible values are:
	 Error – Processing of the request was interrupted
	 Warning – Processing of the request was completed
subdomain	This field is not used.

Field	Description	
ack	common: AckCode Acknowledgement code. It is one of the following values: • Success – The operation completed successfully. • Failure – The operation failed. • Warning – Warning.	
	 SuccessWithWarning – The operation completed successfully; however, there is a warning message. FailureWithWarning – The operation failed with a warning message. 	
build	Build number; it is used only by Developer Technical Support.	
correlationId	Correlation ID; it is used only by Developer Technical Support. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with repissues.	

Field	Description
timestamp	Date on which the response was sent. The time is currently not supported.
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.

CancelPermissions Errors

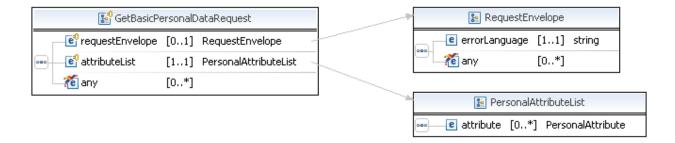
Code	Message	Additional Information
580022	Invalid Access Token	

CancelPermissions Errors

GetBasicPersonalData API Operation

Use the GetBasicPersonalData API operation to obtain basic personal data for an account holder.

GetBasicPersonalDataRequest Message



GetBasicPersonalDataRequest Fields

Field	Description
attributeList	tns:PersonalAttributeList (Required) The list of personal attributes requested for this account.
requestEnvelope	common:requestEnvelope (Required) Information common to each API operation, such as the language in which an error message is returned.

GetBasicPersonalDataResponse Message

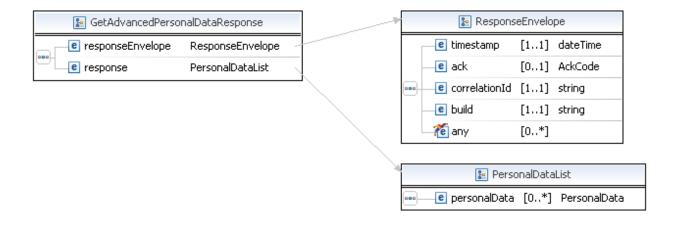
PersonalAttributeList Fields

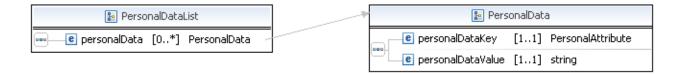
Field Description	
attribute	tns:PersonalAttribute
	The attributes whose values you are requesting. You specify one or more of the following URIs:
	http://axschema.org/namePerson/first-First name
	 http://axschema.org/namePerson/last-last name
	• http://axschema.org/contact/email-Email
	• http://schema.openid.net/contact/fullname-Fullname
	• http://openid.net/schema/company/name-Business name
	http://axschema.org/contact/country/home-Country
	 https://www.paypal.com/webapps/auth/schema/payerID- Payer ID

RequestEnvelope Fields

Field	Description	
detailLevel	common: DetailLevelCode (Optional) Level of detail required by the client application for components. It is one of the following values: • ReturnAll – This value provides the maximum level of detail (default).	
errorLanguage	xs:string (Required) RFC 3066 language in which error messages are returned; by default it is en_US, which is the only language currently supported.	

GetBasicPersonalDataResponse Message





GetBasicPersonalData Response Fields

Field	Description tns:PersonalDataList	
response		
	The attributes for which you have been granted permission to access; one or more of the following URIs:	
	 http://axschema.org/namePerson/first-First name 	
	 http://axschema.org/namePerson/last-last name 	
	 http://axschema.org/contact/email-Email 	
	• http://schema.openid.net/contact/fullname-Fullname	
	• http://openid.net/schema/company/name - Business name	
	 http://axschema.org/contact/country/home-Country 	
	• https://www.paypal.com/webapps/auth/schema/payerID - Payer ID	
responseEnvelope	common:ResponseEnvelope	
	Common response information, including a timestamp and the response acknowledgement status.	

PersonalDataList Fields

Field	Description	
personalData	tns:PersonalData	
	The list of name-value pairs of personal data in the response.	

GetBasicPersonalDataResponse Message

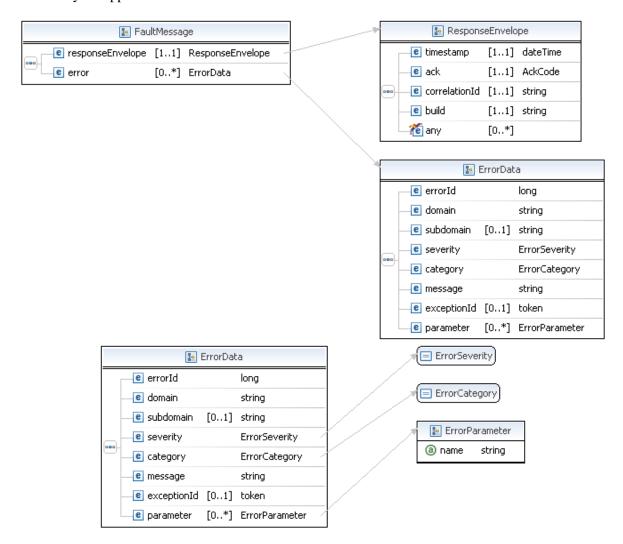
PersonalData Fields

Field	Description	
personalDataKey	tns:PersonalAttribute	
	The attributes whose values you are requesting. You specify one or more of the following URIs:	
	http://axschema.org/namePerson/first-First name	
	 http://axschema.org/namePerson/last-last name 	
	• http://axschema.org/contact/email-Email	
	• http://schema.openid.net/contact/fullname - Full name	
	• http://openid.net/schema/company/name-Business name	
	http://axschema.org/contact/country/home-Country	
	• https://www.paypal.com/webapps/auth/schema/payerID- PayerID	
personalDataValue	xs:String The value associated with the key	

Field	Description	
ack	 common: AckCode Acknowledgement code. It is one of the following values: Success - The operation completed successfully. Failure - The operation failed. Warning - Warning. SuccessWithWarning - The operation completed successfully; however, there is a warning message. FailureWithWarning - The operation failed with a warning message. 	
build	Build number; it is used only by Developer Technical Support.	
correlationId	Correlation ID; it is used only by Developer Technical Support. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	
timestamp	Date on which the response was sent. The time is currently not supported. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	

PPFault Message

The PPFaultMessage returns ErrorData and the ResponseEnvelope information to your application if an error occurs.



FaultMessage Fields

Field	Description
error	common:ErrorData Detailed error information.
responseEnvelope	common: Response Envelope Common response information, including a timestamp and the response acknowledgement status.

ErrorData Fields

Field Description		
category	common:ErrorCategory	
	The location where the error occurred.	
	Possible values are:	
	 System – The system encountered errors; try again 	
	 Application – The application encountered errors; try again 	
	 Request – The request was incorrect 	
domain	The domain to which this service belongs.	
errorId	A number that uniquely identifies a particular error.	
exceptionID	This field is not used.	
message	A description of the error.	
parameter	common:ErrorParameter	
	Represents contextual information about the error.	
severity	common:ErrorSeverity	
	The severity of the error encountered.	
	Possible values are:	
	 Error – Processing of the request was interrupted 	
	 Warning – Processing of the request was completed 	
subdomain	This field is not used.	

Field	Description	
ack	common: AckCode Acknowledgement code. It is one of the following values: • Success – The operation completed successfully. • Failure – The operation failed. • Warning – Warning. • SuccessWithWarning – The operation completed successfully; however, there is a warning message. • FailureWithWarning – The operation failed with a warning message.	
build	Build number; it is used only by Developer Technical Support.	
correlationId	Correlation ID; it is used only by Developer Technical Support. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	

Field	Description	
timestamp	Date on which the response was sent. The time is currently not supported.	
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	

GetBasicPersonalData Errors

Code	Message	Additional Information
580022	Invalid Access Token	

GetBasicPersonalData API Operation

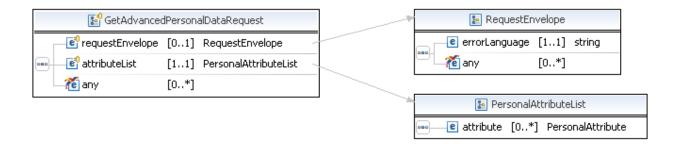


GetBasicPersonalData Errors

GetAdvancedPersonalData API Operation

Use the GetAdvancedPersonalData API operation to obtain sensitive personal data for an account holder.

GetAdvancedPersonalDataRequest Message



GetAdvancedPersonalDataRequest Fields

Field	Description	
attributeList	tns:PersonalAttributeList (Required) The list of personal attributes requested for the account.	
requestEnvelope	common:requestEnvelope (Required) Information common to each API operation, such as the language in which an error message is returned.	

GetAdvancedPersonalDataResponse Message

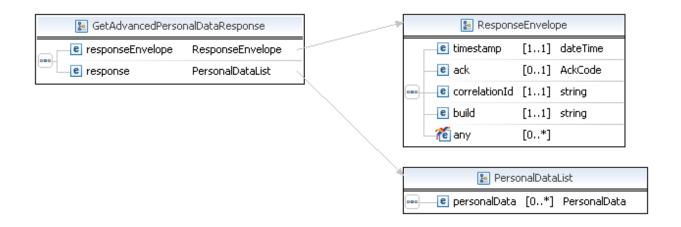
PersonalAttributeList Fields

Field Description	
PersonalAttribute	The attributes whose value you are requesting. You specify one or more of the following URIs:
	 http://axschema.org/birthDate - Date of birth
	• http://axschema.org/contact/postalCode/home-Postcode
	• http://schema.openid.net/contact/street1-Street1
	• http://schema.openid.net/contact/street2-Street2
	http://axschema.org/contact/city/home-City
	http://axschema.org/contact/state/home-State
	• http://axschema.org/contact/phone/default-Phone

RequestEnvelope Fields

Field	Description	
detailLevel	common:DetailLevelCode (Optional) Level of detail required by the client application for components. It is one of the following values: • ReturnAll – This value provides the maximum level of detail (default).	
errorLanguage	xs:string (Required) RFC 3066 language in which error messages are returned; by default it is en_US, which is the only language currently supported.	

GetAdvancedPersonalDataResponse Message





GetAdvancedPersonalData Response Fields

Field	Description	
responseEnvelope	common:ResponseEnvelope	
	Common response information, including a timestamp and the response acknowledgement status.	

PersonalDataListFields

Field	Description	
personalData	tns:PersonalData	
	The list of name-value pairs of personal data in the response.	

PersonalData Fields

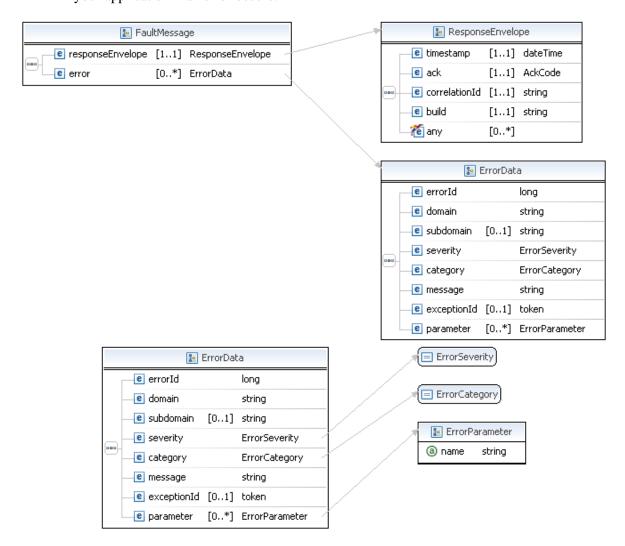
Field	Description
personalDataKey	tns:PersonalAttribute
	The attributes whose values you are requesting. You specify one or more of the following URIs:
	 http://axschema.org/namePerson/first-First name
	 http://axschema.org/namePerson/last-last name
	• http://axschema.org/contact/email-Email
	• http://schema.openid.net/contact/fullname-Fullname
	• http://openid.net/schema/company/name-Business name
	• http://axschema.org/contact/country/home-Country
	 https://www.paypal.com/webapps/auth/schema/payerID – Payer ID
personalDataValue	xs:String
	The value associated with the key

GetAdvancedPersonalDataResponse Message

Field	Description	
ack	 common: AckCode Acknowledgement code. It is one of the following values: Success - The operation completed successfully. Failure - The operation failed. Warning - Warning. SuccessWithWarning - The operation completed successfully; however, there is a warning message. FailureWithWarning - The operation failed with a warning message. 	
build	Build number; it is used only by Developer Technical Support.	
correlationId	Correlation ID; it is used only by Developer Technical Support. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	
timestamp	Date on which the response was sent. The time is currently not supported. NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	

PPFault Message

The PPFaultMessage returns ErrorData and the ResponseEnvelope information to your application if an error occurs.



FaultMessage Fields

Field	Description
error	common: ErrorData Detailed error information.
responseEnvelope	common:ResponseEnvelope Common response information, including a timestamp and the response acknowledgement status.

ErrorData Fields

Field Description		
category	common:ErrorCategory	
	The location where the error occurred.	
	Possible values are:	
	 System – The system encountered errors; try again 	
	 Application – The application encountered errors; try again 	
	 Request – The request was incorrect 	
domain	The domain to which this service belongs.	
errorId	A number that uniquely identifies a particular error.	
exceptionID	This field is not used.	
message	A description of the error.	
parameter	common:ErrorParameter	
	Represents contextual information about the error.	
severity	common:ErrorSeverity	
	The severity of the error encountered.	
	Possible values are:	
	 Error – Processing of the request was interrupted 	
	 Warning – Processing of the request was completed 	
subdomain	This field is not used.	

Field	Description
ack	common:AckCode
	Acknowledgement code. It is one of the following values:
	 Success – The operation completed successfully.
	• Failure – The operation failed.
	• Warning - Warning.
	 SuccessWithWarning – The operation completed successfully;
	however, there is a warning message.
	• FailureWithWarning — The operation failed with a warning message.
build	Build number; it is used only by Developer Technical Support.
correlationId	Correlation ID; it is used only by Developer Technical Support.
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.

Field	Description	
timestamp Date on which the response was sent. The time is cu	Date on which the response was sent. The time is currently not supported.	
	NOTE: You must log and store this data for every response you receive. PayPal Technical Support uses the information to assist with reported issues.	

GetAdvancedPersonalData Errors

Code	Message	Additional Information
580022	Invalid Access Token	

GetAdvancedPersonalData Errors

Permission Commands

The web flows associated with Permissions Service require you to redirect the account holder's browser to PayPal. When you redirect to the webser endpoint, you must send a command that identifies the flow and associated parameters.

grant-permission Command

The account holder can log in to paypal.com and grant permissions to you when you redirect the account holder's browser to paypal.com with the _grant-permission command.

Redirect to PayPal using the _grant-permission command

Redirect to PayPal:

https://www.paypal.com/cgi-bin/webscr?cmd=_grant-permission&request_token=token

Parameter	Description	
cmd	(Required)_grant-permission	
request_token	(Required) The token from the RequestPermissions response message.	

Response to _grant-permission command from PayPal

PayPal redirects to the callback URL you set in the RequestPermissions request. It may include the following parameters:

Parameter	Description
verification_code	Verification code; returned if the account holder agreed to grant permissions. Expires after 15 minutes.
request_token	The token from the RequestPermissions response message; returned if the account holder agreed to grant permissions.
Error	An error code, which is equal to Internal Error if an error occurred.

If the account holder canceled, no parameters are returned.

Permission Commands

9

_grant-permission Command



Past Releases

Permissions Service is intended for developers implementing solutions that require executing a PayPal API operation on behalf of an account holder. Enhancements introduced in past releases are described here.

Release 84.0 Features

Release 84.0 of the Permissions API introduces two new permission groups and two new APIs.

NOTE: Changes to API operations are backward-compatible.

Addition of Two New Groups

Display description	Group ID includes
New: Obtain basic attributes for specified user, such as first name,	ACCESS_BASIC_PERSONAL_DATA required for GetBasicPersonalData
last name, and payer ID.	NOTE: You must have prior approval from PayPal to request this permission.
New: Obtain advanced attributes for specified user, such as date of	ACCESS_ADVANCED_PERSONAL_DATA required for GetAdvancedPersonalData
birth and phone.	NOTE: You must have prior approval from PayPal to request this permission.

Addition of Two New APIs

API	Description
New: GetBasicPersonalData	Request to retrieve basic personal data for an account holder. Accepts PersonalAttributeList as request, and responds with PersonalDataList. This call will accept only 'Basic' attributes and ignore others.
New: GetAdvancedPersonalData	Request to retrieve more sensitive personal data for an account holder. Accepts PersonalAttributeList as request, and responds with PersonalDataList. This call will accept both 'Basic' and Advanced attributes.

Release 74.0 Features

Release 74.0 of the Permissions API introduces several new permission categories and, language support, and redirect response parameters.

NOTE: Changes to API operations are backward-compatible.

Changes to Permission Categories

Display description	Group ID includes	
Consolidate funds from two or more child accounts into a master account.	SETTLEMENT_CONSOLIDATION includes Settlement Consolidation; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation	
	NOTE: You must have prior approval from PayPal to request this permission.	
Provide reporting for consolidated funds.	SETTLEMENT_REPORTING includes Settlement Reporting; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation NOTE: You must have prior approval from PayPal to request this permission.	
New: Reporting for recurring payments	RECURRING_PAYMENT_REPORT; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation	
New: Extended Pro processing	EXTENDED_PRO_PROCESSING_REPORT; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation	
New: Exception processing	EXCEPTION_PROCESSING_REPORT; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation	
New: Account Management Permission (MAM)	ACCOUNT_MANAGEMENT_PERMISSION; valid for all countries except Indonesia, Turkey, Estonia, and the Russian Federation	

Changes to RequestPermissionRequest Fields for Release 74.0

Field	Description
scope	xs:string
	(Required) New values:
	 RECURRING_PAYMENT_REPORT - Reporting for recurring payments
	 EXTENDED_PRO_PROCESSING_REPORT - Extended Pro processing
	 EXCEPTION_PROCESSING_REPORT - Exception processing
	 ACCOUNT_MANAGEMENT_PERMISSION - Account Management Permission (MAM)

Changes to GetAccessTokenRespone and GetPermissionsResponse Fields for Release 74.0

Field	Description
scope	xs:string
	New values:
	 RECURRING_PAYMENT_REPORT - Reporting for recurring payments
	 EXTENDED_PRO_PROCESSING_REPORT - Extended Pro processing
	 EXCEPTION_PROCESSING_REPORT - Exception processing
	 ACCOUNT_MANAGEMENT_PERMISSION - Account Management Permission (MAM)



Permissions Service Revision History

The revision history identifies changes to Permissions Service documentation at a high level.

Date	Description
05/02/12	Maintenance release.
02/09/12	Maintenance release.
10/09/11	Added new groups and APIs for getting personal data. This version of the guide corresponds to release version 84.
05/24/11	Added new permission groups and information about return parameters for the redirect. This version of the guide corresponds to release version 74.
04/05/11	Initial release draft, which corresponds to release version 71. This guide replaces the earlier Permissions Service guide, last published in October, 2009, which was based on a non-platform API.
10/22/10	Initial draft for version 1.6.0.

Index

Symbols

_ap-payment flow command 71

A

ack response field 28, 30, 36, 38, 44, 46, 50, 52, 58, 60, 66, 68 attributeList request field 55, 56, 63

В

build response field 28, 30, 36, 38, 44, 46, 50, 52, 58, 60, 66, 68

C

callbackrequest field 26
CancelPermissions API operation 49
CancelPermissions errors 53
CancelPermissionsRequest fields 49
CancelPermissionsRequest message 49
CancelPermissionsResponse fields 50
CancelPermissionsResponse message 50
category field 30, 38, 46, 52, 60, 68
correlationId response field 28, 30, 36, 38, 44, 46, 50, 52, 58, 60, 66, 68

D

detailLevel request field 27, 34, 41, 49, 56, 64 domain field 30, 38, 46, 52, 60, 68

Ε

error PPFault field 29, 37, 45, 51, 59, 67 ErrorData fields 30, 38, 46, 52, 60, 68 errorId field 30, 38, 46, 52, 60, 68 errorLanguage request field 27, 34, 41, 49, 56, 64 exceptionID field 30, 38, 46, 52, 60, 68

F

FaultMessage PPFault fields 29, 37, 45, 51, 59, 67

G

generating signatures 20 GetAccessToken API operation 33 GetAccessToken errors 39 GetAccessTokenRequest fields 33 GetAccessTokenRequest message 33 GetAccessTokenResponse fields 35 GetAccessTokenResponse message 34 GetAdvancedPersonalData API operation 63 GetAdvancedPersonalData errors 69 GetAdvancedPersonalDataRequest fields 63 GetAdvancedPersonalDataRequest Message 63 GetAdvancedPersonalDataResponse fields 65 GetAdvancedPersonalDataResponse message 64 GetBasicPersonalData API operation 55 GetBasicPersonalData errors 61 GetBasicPersonalDataRequest fields 55 GetBasicPersonalDataRequest message 55 GetBasicPersonalDataResponse fields 57 GetBasicPersonalDataResponse message 56 GetPermissions API operation 41 GetPermissions errors 47 GetPermissionsRequest fields 41 GetPermissionsRequest message 41 GetPermissionsResponse fields 43 GetPermissionsResponse message 42

M

message field 30, 38, 46, 52, 60, 68

0

obtaining permissions 17 overview 11

P

parameter field 30, 38, 46, 52, 60, 68 Permission API operations 15 PersonalAttribute request field 64 PersonalData response field 57, 65 PersonalData response fields 58, 65 personalDataKey response field 58, 65 PersonalDataList response fields 57, 65 personalDataValue response field 58, 65 PPFault message 29, 37, 45, 51, 59, 67

R

requestEnvelope request field 26, 33, 41, 49, 55, 63
RequestEnvelope request fields 27, 34, 41, 49, 56, 64
RequestPermission API operation 25
RequestPermission request fields 26
RequestPermission request message 25
RequestPermission response fields 27
RequestPermission response message 27
RequestPermissions errors 31
response response field 57
responseEnvelope PPFault field 29, 37, 45, 51, 59, 67
responseEnvelope request field 65
responseEnvelope response fields 27, 35, 43, 50, 57
ResponseEnvelope response fields 28, 30, 36, 38, 44, 46, 50, 52, 58, 60, 66, 68

S

scope request field 26 scope response field 35, 43 severity field 30, 38, 46, 52, 60, 68 signatures 20 subdomain field 30, 38, 46, 52, 60, 68 subjectAlias request field 33

Т

timestamp response field 28, 31, 36, 39, 44, 47, 50, 53, 58, 61, 66, 69
token request field 33, 41, 49
token response field 27, 35
tokenSecret response field 35

U

using Permissions Service 17



verifier request field 33